

ISMI MANUFACTURING WEEK 2011

Wednesday, October 19th – Austin Airport Hilton

Session 2: Emerging ESH Regulations Session Chair(s): Steven Trammell

Greenhouse Gas Regulations and Impacts
Presenter: Tim Higgs, Intel
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Current Status and Outlook for the EU RoHS and WEEE Directive Recasts
Presenter: Lauren Crane, Applied Materials
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Lead Free Flip Chip Solder Bump Transition Challenges
Presenter: Steven Trammell, ISMI
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Session 2: Emerging ESH Regulations (cont.) Session Chair(s): Steven Trammell

Update of JAMP Activities
Presenter: Shigehito Ibuka, Tokyo Electron Limited
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The Nanotechnology Landscape: Emerging Opportunities, Challenges, and Policy Implications in the 21st Century
Presenter: Sara Brenner, UAlbany College of Nanoscale Science & Engineering
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Evaluation and Analysis of III-V ESH Processing Hazards
Presenter: Brett Davis, Zephyr Environmental Corporation
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Session 4: Nanomaterials Biosafety Session Chair(s): Sara Brenner and Thomas Begley

Health & Safety in the Nanoelectronics Industry: An overview of current risks, challenges, and opportunities
Presenter: Sara Brenner, UAlbany College of Nanoscale Science & Engineering
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Health & Safety in the Nanoelectronics Industry: An overview of current risks, challenges and opportunities (Continued)
Presenter: Sara Brenner, UAlbany College of Nanoscale Science & Engineering
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The Nano Health & Safety Landscape: Opportunities and Challenges for the Semiconductor Industry
Presenter: Sara Brenner, UAlbany College of Nanoscale Science & Engineering
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Session 4: Nanomaterials Biosafety (cont.) Session Chair(s): Sara Brenner and Thomas Begley

Development of Exposure Assessment Methodologies for Processes Involving Engineered Nanomaterials
Presenter: Michele Shepard, UAlbany College of Nanoscale Science & Engineering
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Metrology & Analytical Techniques: Applications in Occupational & Environmental Health for the Semiconductor Industry
Presenter: Robert Geer, UAlbany College of Nanoscale Science & Engineering
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Evaluation of Nanomaterial Biosafety and Development of Green Approaches for Nanomanufacturing Processes
Presenter: Nathaniel Cady, UAlbany College of Nanoscale Science & Engineering
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Tools and technologies for exposure monitoring in the nanoworld
Presenter: Thomas Begley, UAlbany College of Nanoscale Science & Engineering
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Thursday, October 20th – Austin Airport Hilton

Session 7: Green Manufacturing Session Chair(s): Iqbal Bansol

Mitigating Risk and Improving Project Delivery for Semiconductor Facilities
Presenter: Allan Chasey, Arizona State University
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Using BIM Applications to Support the Transition of Semiconductor Facility from 300mm to 450mm
Presenter: Jan Wuttig, Intel Corp and Ariz State Univ Graduate Student
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TEL's Perspective for Green Initiative
Presenter: Shigehito Ibuka, Tokyo Electron Limited
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Session 7: Green Manufacturing (cont.) Session Chair(s): Iqbal Bansol

From Green Buildings to Green Manufacturing
Presenter: Tony Chen, Taiwan Semiconductor Manufacturing Company, Ltd.
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Technical Solutions to Reduce Energy and Resource Consumption: An Update
Presenter: Andreas Neuber, Applied Materials
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Green Manufacturing for 450MM Fab
Presenter: Chun Lin Chang, Taiwan Semiconductor Manufacturing Company, Ltd.
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Session 7: Green Manufacturing (cont.) Session Chair(s): Iqbal Bansol

Application of Environmental-Friendly Organic Solvents for Removal of Photoresist Residues
Presenter: Iqbal Bansol, National Semiconductor
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Green3 : A Paradigm Shift In Waste Management For Semiconductor Manufacturing
Presenter: Shawn Sahbari, Envirodigim Inc.
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TEL's Approach and Consideration for GHS compliance
Presenter: Shigehito Ibuka, Tokyo Electron Limited
[View abstract](#)

ISMI 2011 Greenhouse Gas Activities
Presenter: Laurie Beu, Consultant to ISMI
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